

ABSTRACT OF THE DISCLOSURE

[0082] A reinforced liner for cured in place pipe rehabilitation of an existing pipeline having a plurality of high-strength low-elongation fiber bundles disposed
5 circumferentially around the tubular liner at both inner and outer surfaces of a resin absorbent layer of the liner is provided. The bundles of reinforcing fibers are continuous lengths of high modulus fibers laid circumferentially with the ability to stretch to accommodate variations in host pipe diameter. The ends of reinforcing fibers on the inner and outer reinforcing layers overlap so that the ends slide past each
10 other as the liner is expanded prior to cure. The reinforcing fibers may be secured to a porous scrim to form an inner tubular reinforcing layer. An outer layer of bundles of reinforcing fiber are formed into a tube about the absorbent layer. An outer impermeable tubular layer is wrapped around the inner layers. The reinforcing layer may include longitudinal reinforcing fiber in either or both reinforcing layers to
15 increase the longitudinal strength of the liner.